

# Element Flashcards: 1–20

Fronts — print double-sided, flip on long edge

1

**H**

2

**He**

3

**Li**

4

**Be**

5

**B**

6

**C**

7

**N**

8

**O**

# Element Flashcards: 1–20

Backs

## Helium

Atomic number: 2  
Atomic mass: 4.003  
Group 18 · Period 1  
Category: noble gas  
Configuration:  $1s^2$

## Hydrogen

Atomic number: 1  
Atomic mass: 1.008  
Group 1 · Period 1  
Category: nonmetal  
Configuration:  $1s^1$

## Beryllium

Atomic number: 4  
Atomic mass: 9.012  
Group 2 · Period 2  
Category: alkaline earth metal  
Configuration:  $[\text{He}] 2s^2$

## Lithium

Atomic number: 3  
Atomic mass: 6.94  
Group 1 · Period 2  
Category: alkali metal  
Configuration:  $[\text{He}] 2s^1$

## Carbon

Atomic number: 6  
Atomic mass: 12.011  
Group 14 · Period 2  
Category: nonmetal  
Configuration:  $[\text{He}] 2s^2 2p^2$

## Boron

Atomic number: 5  
Atomic mass: 10.81  
Group 13 · Period 2  
Category: metalloid  
Configuration:  $[\text{He}] 2s^2 2p^1$

## Oxygen

Atomic number: 8  
Atomic mass: 15.999  
Group 16 · Period 2  
Category: nonmetal  
Configuration:  $[\text{He}] 2s^2 2p^4$

## Nitrogen

Atomic number: 7  
Atomic mass: 14.007  
Group 15 · Period 2  
Category: nonmetal  
Configuration:  $[\text{He}] 2s^2 2p^3$

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9

**F**

10

**Ne**

11

**Na**

12

**Mg**

13

**Al**

14

**Si**

15

**P**

16

**S**

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## Neon

Atomic number: 10  
Atomic mass: 20.18  
Group 18 · Period 2  
Category: noble gas  
Configuration: [He] 2s<sup>2</sup> 2p<sup>6</sup>

## Fluorine

Atomic number: 9  
Atomic mass: 18.998  
Group 17 · Period 2  
Category: halogen  
Configuration: [He] 2s<sup>2</sup> 2p<sup>5</sup>

## Magnesium

Atomic number: 12  
Atomic mass: 24.305  
Group 2 · Period 3  
Category: alkaline earth metal  
Configuration: [Ne] 3s<sup>2</sup>

## Sodium

Atomic number: 11  
Atomic mass: 22.99  
Group 1 · Period 3  
Category: alkali metal  
Configuration: [Ne] 3s<sup>1</sup>

## Silicon

Atomic number: 14  
Atomic mass: 28.085  
Group 14 · Period 3  
Category: metalloid  
Configuration: [Ne] 3s<sup>2</sup> 3p<sup>2</sup>

## Aluminum

Atomic number: 13  
Atomic mass: 26.982  
Group 13 · Period 3  
Category: post transition metal  
Configuration: [Ne] 3s<sup>2</sup> 3p<sup>1</sup>

## Sulfur

Atomic number: 16  
Atomic mass: 32.06  
Group 16 · Period 3  
Category: nonmetal  
Configuration: [Ne] 3s<sup>2</sup> 3p<sup>4</sup>

## Phosphorus

Atomic number: 15  
Atomic mass: 30.974  
Group 15 · Period 3  
Category: nonmetal  
Configuration: [Ne] 3s<sup>2</sup> 3p<sup>3</sup>

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17

**Cl**

18

**Ar**

19

**K**

20

**Ca**

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## Argon

Atomic number: 18  
Atomic mass: 39.95  
Group 18 · Period 3  
Category: noble gas  
Configuration: [Ne] 3s<sup>2</sup> 3p<sup>6</sup>

## Chlorine

Atomic number: 17  
Atomic mass: 35.45  
Group 17 · Period 3  
Category: halogen  
Configuration: [Ne] 3s<sup>2</sup> 3p<sup>5</sup>

## Calcium

Atomic number: 20  
Atomic mass: 40.078  
Group 2 · Period 4  
Category: alkaline earth metal  
Configuration: [Ar] 4s<sup>2</sup>

## Potassium

Atomic number: 19  
Atomic mass: 39.098  
Group 1 · Period 4  
Category: alkali metal  
Configuration: [Ar] 4s<sup>1</sup>